

The power behind competitiveness

Delta InfraSuite PDC

Power Distribution Cabinet

Flexible, easy-to-integrate power distribution

For power distribution requirements of medium to large data centers, Delta's Power Distribution Cabinet (PDC) provides an optimal solution. The space-saving PDC is easy to move and adapt to future reconfigurations of the data center. The PDC offers superior power protection and monitoring, and the flexibility to match your actual power distribution requirements. Not only does it improve availability, it reduces the cost of your initial investment.

Convenience

- Configurable circuit breaker panel
- LCD display supporting multiple languages
- Recording more than 500 event logs
- Monitoring the current of each branch circuit breaker
- Built-in RS232 interface for remote monitoring
- Six built-in six contact closure outputs
- Two built-in SNMP interfaces increasing availability

Safety

- Local and remote emergency power off functions
- Current unbalance and phase sequence error alarm
- Optional K-factor isolation transformer enhancing safety and reduces harmonics
- Optional lightning surge protection module

Availability

- Easy to relocate, reducing investment costs
- Two built-in sets of panelboards with 42 poles each
- Optional transformers for different output voltages
- Hot-swappable output breaker



The elastic supplement can be arranged according to actuality demand.



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Technical Specifications

Model	PDC 80	PDC 125
Capacity	80 kVA	125 kVA
Input	Rated voltage	220/380 Vac, 3 phase 3 wire+ ground, or 3 phase 4 wire+ ground
	Voltage tolerance range	±15%
	Frequency	50 / 60 Hz ±5% (Automatic detection)
Output	Rated voltage	220/380 Vac, 3 phase 4 wire+ ground,
	Total switching capacity	Based on actual product specifications
	Switchboard type	Two groups of switchboards and 42 poles each
	Shunt switch type	Hot-swap switch capacity: 15 / 20 / 30A, Optional: 1/2/3 pole
Transformer	Input-Output Type	Δ-Y
	Efficiency	97.5% (Full-load)
LCD Display	System	Temperature, ground current, System overheat alarm, V-Loss Alarm, Voltage Imbalance Alarm, Ground Fault Alarm
Blue light 4.9" graphic interface.	Input	Phase voltage, line voltage, phase current, line current, load(%), iTHD, total kVA, total kW, total kWh, Over voltage/over current alarm, under-voltage/ under current alarm, Over line current alarm, iTHD abnormal alarm
	Total output	Phase voltage, line voltage, phase current, line current, frequency, neutral current, load(%), kVA, kW, kWh, power factor, VTHD, iTHD, Over voltage/over current alarm, under-voltage/under current alarm, Over line current alarm, iTHD abnormal alarm, VTHD abnormal alarm, power factor abnormal alarm
	Output shunt plate	phase current, kVA, kW, kWh, load (%), iTHD, power factor, line current, over current alarm, under current alarm, Over line current alarm, iTHD abnormal alarm, power factor abnormal alarm
	Output shunt	Current, load (%), over current alarm, under current alarm
	Temperature	Environment (instant and alarm), transformers (two stage-alarm)
Regulatory Compliance	Environment	CE
	Electromagnetic interference	EN55022
Communication interface	RS232 x 1, dry contact x 6, SNMP slot x 2	
Optional accessories	Lightning protector	
Size (width, depth, height)	600 x 1090 x 2000mm standard 19" cabinet	
Weight	Excluding transformer: 225kg, including H	
	transformer: 80kVA: 525 kg, 125 kVA: 630 kg	

• All specifications are subject to change without prior notice.

